

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA							
8016-616CUMM	International filing date (day/mor							
International application No.	International fining date (day/mor	many cary						
PCT/US03/23542	28 July 2003 (28.07.2003)	26 July 2002 (26.07.2002)						
International Patent Classification (IPC) or national classification and IPC								
IPC(7): F16C 07/00 and US Cl.: 74/579E								
Applicant								
CUMMINS INC.								
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of 3 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indications relating to the following items:								
I Basis of the report								
II Priority								
·	The second second second second in the second industrial applicability							
IV Lack of unity of								
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain documents cited								
VII Certain defects in the international application								
VIII Certain observations on the international application								
Date of submission of the demand	Dat	te of completion of this report						
25 February 2004 (25.02.2004)	28 0	28 October 2004 (28.10.2004)						
Name and mailing address of the IPEA	/US Aut	Authorized officer						
Mail Stop PCT, Attn: IPEA/US	4.	Low Tolono						
Commissioner for Patents P.O. Box 1450	4 / ` `							
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	-1450 Telephone No. 703-308-1113							

Form PCT/IPEA/409 (cover sheet)(July 1998)



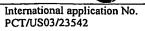
International application No.

PCT/US03/23542

I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-23 as originally filed			
		pages NONE, filed with the demand pages NONE, filed with the letter of			
	X	the claims:			
	لاسكا	pages 24-28, as originally filed			
		pages NONE, as amended (together with any statement) under Article 19			
		pages NONE , filed with the demand			
	\square	pages NONE , filed with the letter of			
		the drawings: pages 1-38, as originally filed			
		pages NONE, filed with the demand			
		pages NONE, filed with the letter of			
		the sequence listing part of the description:			
		pages NONE as originally filed			
		pages NONE , filed with the demand pages NONE , filed with the letter of			
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the			
	langu	lage in which the international application was filed, unless otherwise indicated under this item			
	Thes	e elements were available or furnished to this Authority in the following language which is:			
	\square	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
	닏	the language of publication of the international application (under Rule 48.3(b)).			
	Ш	the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).			
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:			
	\square	contained in the international application in printed form.			
		filed together with the international application in computer readable form.			
	Ц	furnished subsequently to this Authority in written form.			
	\square	furnished subsequently to this Authority in computer readable form.			
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.			
	Ш	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.			
4.	\boxtimes	The amendments have resulted in the cancellation of:			
		the description, pages <u>NONE</u>			
		the claims, Nos. <u>NONE</u>			
		the drawings, sheets/fig NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
11113	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				

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V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT					
Novelty (N)	Claims NONE	YES			
	Claims 1-24				
	Cl.: NOVE	WEG			
Inventive Step (IS)	Claims NONE Claims 1-24				
	0.0000				
Industrial Applicability (IA)	Claims 1-24				
	Claims NONE				
See Taguchi's Figs. 1-3. Claims 1-24 meets the criteria set out in PCT Article 3 be made or used in industry.	٠.	cause the subject matter claimed can			

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